

```

Set  Items  Description
---  ---
? E AU=berthet, fran?

```

```

Ref  Items  Index-term
E1      3  AU=BERTHET, FLORENTIN
E2      0  *AU=BERTHET, FRAN?
E3      2  AU=BERTHET, FRANCK
E4      6  AU=BERTHET, FRANCOIS
E5      2  AU=BERTHET, FRANCOIS XAVIER
E6     20  AU=BERTHET, FRANCOIS-XAVIER
E7      7  AU=BERTHET, FRANCOIS-XAVIER JACQUES
E8      2  AU=BERTHET, FRANCOISE
E9      5  AU=BERTHET, FRANCOIS-XAVIER
E10     2  AU=BERTHET, FREDERIC
E11     2  AU=BERTHET, FX
E12     3  AU=BERTHET, G

```

Enter P or PAGE for more

? s e4-e9

```

        6  AU=BERTHET, FRANCOIS
        2  AU=BERTHET, FRANCOIS XAVIER
       20  AU=BERTHET, FRANCOIS-XAVIER
        7  AU=BERTHET, FRANCOIS-XAVIER JACQUES
        2  AU=BERTHET, FRANCOISE
        5  AU=BERTHET, FRANCOIS-XAVIER
S1      42  E4-E9

```

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S2 26 RD (unique items)

? s s2 and Neisseria

```

        26  S2
       154615 NEISSERIA
S3      5  S2 AND NEISSERIA

```

? t s3/3, k/1-5

>>>KW C option is not available in file(s): 399

3/3, K/1 (Item 1 from file: 399)

DI ALLOC R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rights reserved.

140198065 CA: 140(13)198065a PATENT
 Vaccine compositions comprising Neisserial adhesin, autotransporter,
 toxin, iron acquisition protein and membrane-associated protein against
 Neisserial infection
 INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Biemans, Ralph;
 Denoel, Philippe; Feron, Christiane; Goraj, Karine; Poolman, Jan; Weynants,
 Vincent

LOCATION: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414418 A2 DATE: 20040219

APPLICATION: WO 2003EP8571 (20030731) *GB 200218037 (20020802) *GB
 200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
 200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
 200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
 200230170 (20021224) *GB 20035028 (20030305)

PAGES: 113 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: A61K-039/02A

DESIGNATED COUNTRIES:

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; NZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
 YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; DESIGNATED REGIONAL: GH; GM; KE
 ; LS; MW; NZ; SD; SL; SZ; TJ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
 EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MD; NL; PT; RO; SE; SI; SK; TR; BF;
 BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

3/3, K/2 (Item 2 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rights reserved.

140180125 CA: 140(12)180125K PATENT

Vaccine composition comprising transferrin binding protein and Hsf
 agalnst *Neisseria meningitidis*, *Neisseria gonorrhoeae*, *Moraxella*
catarrhalis and *Haemophilus influenzae*

INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Biemans, Ralph;
 Denoel, Philippe; Feron, Christiane; Goraj, Carine; Poolman, Jan; Weynants,
 Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414419 A1 DATE: 20040219

APPLICATI ON: WO 2003EP8567 (20030731) *GB 200218037 (20020802) *GB

200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB

200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB

200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB

200230170 (20021224) *GB 20035028 (20030305)

PAGES: 64 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: A61K-039/095A; A61K-039/102B; A61K-039/00B

DESIGNATED COUNTRIES:

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; NZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
 YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; DESIGNATED REGIONAL: GH; GM; KE
 ; LS; MW; NZ; SD; SL; SZ; TJ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
 EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MD; NL; PT; RO; SE; SI; SK; TR; BF;
 BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

3/3, K/3 (Item 3 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rights reserved.

137184449 CA: 137(13)184449E PATENT

Vaccine composition

INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Lobet, Yves; Poolman,
 Jan; Verlant, Vincent Georges Christian Louis

LOCATION: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200262380 A2 DATE: 20020815

APPLICATI ON: WO 2002EP1356 (20020208) *GB 20013169 (20010208)

PAGES: 75 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: A61K-039/116A; A61P-031/04B

DESIGNATED COUNTRIES:

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;

hsf and tp.txt

GM HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; NZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;
SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW; AM
AZ; BY; KG; KZ; MD; RU; TJ; TM DESIG NATED REG IONAL: GH; GM; KE; LS; MW; NZ
SD; SL; SZ; TZ; UG; ZM; ZW AT: BE; CH; CY; DE; DK; ES; FI; FR; GB; GR;
IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;
MR; NE; SN; TD; TG

3/3, K/4 (Item 4 from file: 399)

DI ALCO R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rts. reserv.

137184447 CA: 137(13)184447c PATENT

Vaccine composition comprising hyperblebbing Gram-neg. bacteria which
have down-regulated tol genes and mutated peptidoglycan-binding proteins

INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Denoel, Philippe;
Neyt, Cecile Anne; Poolman, Jan; Thonnard, Joelle

LOCATI ON: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200262378 A2 DATE: 20020815

APPLI CATI ON: WO 2002EP1361 (20020208) *GB 20013171 (20010208)

PAGES: 71 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/00A

DESIG NATED COUNTRI ES: AE; AG; AL; AM AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; NZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;
SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW
AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIG NATED REG IONAL: GH; GM; KE; LS; MW;
IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW
ML; MR; NE; SN; TD; TG

3/3, K/5 (Item 5 from file: 399)

DI ALCO R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rts. reserv.

134146387 CA: 134(11)146387p PATENT

Immuno-protective and non-toxic Gram-neg. bleb vaccine suitable for
pediatric use

INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Delermans, Wilfried L.
J.; Denoel, Philippe; Dequesne, Guy; Feron, Christiane; Lobet, Yves;

Poolman, Jan; Thiry, Georges; Thonnard, Joelle; Voet, Pierre

LOCATI ON: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200109350 A2 DATE: 20010208

APPLI CATI ON: WO 2000EP7424 (20000731) *GB 9918319 (19990803)

PAGES: 128 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: C12N-015/74A; A61K-039/02B; C12N-015/31B; C12N-015/67B;

A61K-039/095B; A61K-039/116B; A61K-039/118B; A61K-039/09B; A61K-039/104B;

A61K-039/102B; A61K-039/295B; C07K-014/195B; C12N-001/21B

DESIG NATED COUNTRI ES: AE; AG; AL; AM AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM HR;
HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA;
MD; MG; MK; MN; MW; MX; NZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL;
TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW AM; AZ; BY; KG; KZ; MD;
RU; TJ; TM DESIG NATED REG IONAL: GH; GM; KE; LS; MW; NZ; SD; SL; SZ; TZ; UG;
ZW AT: BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;
SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

? e au=bi emans, ra?

Ref	Items	Index-term
E1	29	AU=BI EMANS, R.
E2	0	*AU=BI EMANS, RA?
E3	25	AU=BI EMANS, RALPH
E4	20	AU=BI EMANS, RALPH LEON
E5	1	AU=BI EMANS, ROGIER
E6	2	AU=BI EMANS, T.
E7	1	AU=BI EMANS, TOI NE
E8	1	AU=BI EMANS, TOI NE H.
E9	3	AU=BI EMANS, W
E10	105	AU=BI EMANS, W G
E11	1	AU=BI EMANS, W G
E12	1	AU=BI EMANS, W M

Enter P or PAGE for more

? s e1-e4

	29	AU=BI EMANS, R.
	0	AU=BI EMANS, RA?
	25	AU=BI EMANS, RALPH
	20	AU=BI EMANS, RALPH LEON
S4	73	E1-E4

? s s4 and Neisseria

	73	S4
	154615	NEI SSERIA
S5	16	S4 AND NEI SSERIA

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S6 15 RD (unique items)

? t s6/3, k/1-15

>>>KWC option is not available in file(s): 399

6/3, K/1 (Item 1 from file: 399)

DI ALCO (R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

151108227 CA: 151(5)108227e PATENT
 Method for preparing protein conjugates
 INVENTOR(AUTHOR): Bi emans, Ralph Leon; Duvi vier, Pierre
 LOCATI ON: Belg.
 ASSIGNEE: Glaxosmithkline Biologicals S.A.
 PATENT: PCT International ; WO 200977438 A1 DATE: 20090625
 APPLI CATION: WO 2008EP67378 (20081212) *GB 200724360 (20071214)
 PAGES: 87pp. CODEN: PIXXD2 LANGUAGE: English
 PATENT CLASSI FI CATIONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K 0047/48	A I F B	20060101				H EP	
DESI GNATED COUNTRY:	ES:	AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BG; BH; BR;					
BW BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES;							
FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN;							
KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LY; MA; MD; ME; MG; MK; MN; MW; MX;							
MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG;							
SK; SL; SM; ST; SV; SY; TJ; TM; TN; TR							
DESI GNATED REGI ONAL:	AT; BE; BG; CH;						
CI; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LT; LU; LV;							
MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN;							
GQ; GW; GU; HE; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ;							
TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM							

6/3, K/2 (Item 2 from file: 399)

DI ALCOG R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

149150894 CA: 149(7)150894d PATENT

Process for conjugation of bacterial poly- or oligosaccharides and proteins, polypeptide and polynucleotide sequences of proteins, and their use in vaccines

INVENTOR(AUTHOR): Biemans, Ralph Leon; Duivier, Pierre

LOCATION: Belg.

ASSIGNEE: GlaxoSmithKline Biologicals S. A.

PATENT: PCT International ; WO 200881014 A2 DATE: 20080710

APPLICATION: WO 2008EP50011 (20080102) *GB 2007136 (20070104)

PAGES: 101pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K-0039/00 A I F B 20060101 H EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BG; BH; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LY; MA; MD; ME; MG; MK; MN; MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LT; LU; LV; MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/3 (Item 3 from file: 399)

DI ALCOG R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

149126535 CA: 149(6)126535s PATENT

Carbodiimide coupling in the preparation of saccharide conjugate vaccines

INVENTOR(AUTHOR): Biemans, Ralph Leon; Duivier, Pierre

LOCATION: Belg.

ASSIGNEE: GlaxoSmithKline Biologicals S. A.

PATENT: PCT International ; WO 200881022 A1 DATE: 20080710

APPLICATION: WO 2008EP50021 (20080102) *GB 2007135 (20070104)

PAGES: 65pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP

A61K-0039/102 A I L B 20060101 H EP

A61K-0039/116 A I L B 20060101 H EP

A61K-0039/02 A I L B 20060101 H EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BG; BH; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LY; MA; MD; ME; MG; MK; MN; MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LT; LU; LV; MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/4 (Item 4 from file: 399)

DI ALCOG R) File 399: CA SEARCH(R)

hsfandtpb.txt

(c) 2009 American Chemical Society. All rts. reserv.

146099125 CA: 146(6)99125n PATENT

Combinational vaccine comprising a Haemophilus influenzae type b saccharide conjugate and addnl. bacterial saccharide conjugates

INVENTOR(AUTHOR): Biernans, Ralph Leon; Boutriau, Dominique; Capi au, Carine; Denoel, Philippe; Duvi vier, Pierre; Poolman, Jan

LOCATI ON: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S.A.

PATENT: PCT International; WO 200700322 A1 DATE: 20070104

APPLICATI ON: WO 2006EP6210 (20060623) *GB 200513069 (20050627) *GB 200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB 200526040 (20051221) *GB 200526041 (20051221)

PAGES: 52pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFI CATI ONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K-0039/095	A	I	F	B		H	EP
A61K-0039/102	A	I	L	B		H	EP
A61K-0039/116	A	I	L	B		H	EP
DESIGNATED COUNTRIES:	AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MY; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC	DESIGNATED REGIONAL:	AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM				

6/3.K/5 (Item 5 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

146099123 CA: 146(6)99123k PATENT

Immunogenic composition containing Neisseria meningitidis capsular saccharides

INVENTOR(AUTHOR): Biernans, Ralph Leon; Boutriau, Dominique; Capi au, Carine; Denoel, Philippe; Duvi vier, Pierre; Poolman, Jan

LOCATI ON: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S.A.

PATENT: PCT International; WO 200700341 A2 DATE: 20070104

APPLICATI ON: WO 2006EP6268 (20060623) *GB 200513069 (20050627) *GB 200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB 200526041 (20051221) *GB 200526040 (20051221)

PAGES: 66pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFI CATI ONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K-0039/095	A	I	F	B		H	EP
A61K-0039/102	A	I	L	B		H	EP
A61K-0039/116	A	I	L	B		H	EP
DESIGNATED COUNTRIES:	AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MY; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC	DESIGNATED REGIONAL:	AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM				

6/3, K/6 (Item 6 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

146099122 CA: 146(6)99122j PATENT

Neisseria meningitidis capsular polysaccharide vaccine conjugate

INVENTOR(AUTHOR): Biernans, Ralph Leon; Boutriau, Dominique; Capi au, Carine; Denoel, Philippe; Duvi vier, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700314 A2 DATE: 20070104

APPLICATI ON: WO 2006EP6188 (20060623) *GB 200513071 (20050627) *GB 200513069 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB 200526040 (20051221) *GB 200526041 (20051221)

PAGES: 46pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFICATI ONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K	0039/095	A I F B	20060101			H	EP
A61K	0039/102	A I L B	20060101			H	EP
A61K	0039/116	A I L B	20060101			H	EP
A61P	0031/04	A I L B	20060101			H	EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MY; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC. DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; NG; TD; TG; BH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW. AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/7 (Item 7 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

146099120 CA: 146(6)99120g PATENT

Immunogenic composition containing Neisseria meningitidis capsular polysaccharides

INVENTOR(AUTHOR): Biernans, Ralph Leon; Boutriau, Dominique; Capi au, Carine; Denoel, Philippe; Duvi vier, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700342 A2 DATE: 20070104

APPLICATI ON: WO 2006EP6269 (20060623) *GB 200513069 (20050627) *GB 200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB 200526040 (20051221) *GB 200526041 (20051221)

PAGES: 64pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFICATI ONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K	0039/095	A I F B	20060101			H	EP
A61K	0039/102	A I L B	20060101			H	EP
A61K	0039/116	A I L B	20060101			H	EP
A61P	0031/04	A I L B	20060101			H	EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MY; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC. DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;

hsf and bp.txt

NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GG; GW; ML;
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;
ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/8 (Item 8 from file: 399)

DI ALCOG R) File 399: CA SEARCH R)

(c) 2009 American Chemical Society. All rts. reserv.

146099119 CA: 146(6)99119p PATENT

Preparation of saccharide-protein conjugates for vaccination

INVENTOR(AUTHOR): Biernans, Ralph Leon; Duvi vier, Pierre

LOCATI ON: Belg.

ASSIGNEE: Gaxosmithkline Biological s S.A.

PATENT: PCT International ; WO 200700343 A2 DATE: 20070104

APPLI CATI ON: WO 2006EP6270 (20060623) *GB 200513069 (20050627) *GB

200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB

200526040 (20051221) *GB 200526041 (20051221)

PAGES: 37pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K	0039/095	A	I	F	B	20060101	H EP
A61K	0039/102	A	I	L	B	20060101	H EP
A61K	0039/116	A	I	L	B	20060101	H EP
A61P	0031/04	A	I	L	B	20060101	H EP
DESI GNATED COUNTRI ES:	AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GG; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; DESI GNATED REGI ONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GG; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM						

6/3, K/9 (Item 9 from file: 399)

DI ALCOG R) File 399: CA SEARCH R)

(c) 2009 American Chemical Society. All rts. reserv.

146099118 CA: 146(6)99118n PATENT

Combi nation vacci nes comprising Haemophilus influenzae type b saccharide conjugate, an addnl. bacterial saccharide conjugate, and further antigens

INVENTOR(AUTHOR): Biernans, Ralph Leon; Boutri au, Domi nique; Capi au,

Carine; Denoel, Philippe; Duvi vier, Pierre; Poolman, Jan

LOCATI ON: Belg.

ASSIGNEE: Gaxosmithkline Biological s S.A.

PATENT: PCT International ; WO 200700327 A1 DATE: 20070104

APPLI CATI ON: WO 2006EP6220 (20060623) *GB 200513069 (20050627) *GB

200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB

200526041 (20051221) *GB 200526040 (20051221)

PAGES: 49pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K	0039/095	A	I	F	B	20060101	H EP
A61K	0039/102	A	I	L	B	20060101	H EP
A61K	0039/116	A	I	L	B	20060101	H EP
DESI GNATED COUNTRI ES:	AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GG; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; DESI GNATED REGI ONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GG; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM						

hsf and tp.txt

TM, TN; TR, TT; TZ, UA; UG, US; UZ; VC DESIG NATED REGIONAL: AT; BE; BG; CH;
; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/10 (Item 10 from file: 399)

DI ALCO R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

140259048 CA: 140(16)259048w PATENT
Neisseria outer membrane FrpB proteins containing loop-deletions for
improved refolding and vaccine use
INVENTOR(AUTHOR): Biernans, Ralph; Denoel, Philippe; Feron, Christiane;
Goraj, Karine; Kortekaas, Jeroen; Poolman, Jan; Tommassen, Jan; Weynants,
Vincent
LOCATI ON: Belg.
ASSIGNEE: Gaxosmithkline Biologicals S. A.; Utrecht University;
Technology Foundation (Stichting Voor de Technische Wetenschappen)
PATENT: PCT International ; WO 200420463 A2 DATE: 20040311
APPLI CATI ON: WO 2003EP9634 (20030828) *GB 200220199 (20020830)
PAGES: 104 pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSIFI CATI ONS:
CLASS: C07K-014/00A
DESIG NATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIG NATED REGIONAL: GH; GM; KE
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/11 (Item 11 from file: 399)

DI ALCO R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

140249770 CA: 140(16)249770m PATENT
Refolding of recombinantly produced NspA protein from Neisseria using the
detergent SB-12 in an alkaline refolding buffer and use of NspA in the
treatment, prevention and diagnosis of Neisserial infections
INVENTOR(AUTHOR): Biernans, Ralph; Bos, Martine; Denoel, Philippe; Feron,
Christiane; Goraj, Karine; Poolman, Jan; Tommassen, Jan; Weynants, Vincent
LOCATI ON: Belg.
ASSIGNEE: Gaxosmithkline Biologicals S. A.; Utrecht University
PATENT: PCT International ; WO 200420452 A2 DATE: 20040311
APPLI CATI ON: WO 2003EP10085 (20030828) *GB 200220197 (20020830)
PAGES: 62 pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSIFI CATI ONS:
CLASS: C07K-000/A
DESIG NATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIG NATED REGIONAL: GH; GM; KE
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/12 (Item 12 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

140198071 CA: 140(13)198071z PATENT
Meningococcal genetically engineered vaccine composition which has a
fixed or locked lipooligosaccharide (LOS) immunotype
INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane;
Goraj, Karine; Jennings, Michael Paul; Poolman, Jan; Veynants, Vincent
LOCATION: Belg.
ASSIGNEE: Gaxosmithkline Biologicals Sa; The University of Queensland
PATENT: PCT International ; WO 200415099 A2 DATE: 20040219
APPLICATION: WO 2003EP8569 (20030731) *GB 200218037 (20020802) *GB
200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
200230170 (20021224) *GB 20035028 (20030305)
PAGES: 42 pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: C12N 015/00A
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; NZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
LS; MW; NZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/13 (Item 13 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

140198065 CA: 140(13)198065a PATENT
Vaccine compositions comprising Neisserial adhesin, autotransporter,
toxin, iron acquisition protein and membrane-associated protein against
Neisserial infection
INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Biemans, Ralph;
Denoel, Philippe; Feron, Christiane; Goraj, Karine; Poolman, Jan; Veynants,
Vincent
LOCATION: Belg.
ASSIGNEE: Gaxosmithkline Biologicals S.A.
PATENT: PCT International ; WO 200414418 A2 DATE: 20040219
APPLICATION: WO 2003EP8571 (20030731) *GB 200218037 (20020802) *GB
200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
200230170 (20021224) *GB 20035028 (20030305)
PAGES: 113 pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: A61K 039/02A
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; NZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
LS; MW; NZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/14 (Item 14 from file: 399)

DI ALCOG R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

140180125 CA: 140(12)180125k PATENT

Vaccine composition comprising transferrin binding protein and Hsf
 against *Neisseria meningitidis*, *Neisseria gonorrhoeae*, *Moraxella*
catarrhalis and *Haemophilus influenzae*
 INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Biemans, Ralph;
 Denoel, Philippe; Feron, Christiane; Goraj, Carine; Poolman, Jan; Weynants,
 Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414419 A1 DATE: 20040219

APPLICATI ON: WO 2003EP8567 (20030731) *GB 200218037 (20020802) *GB

200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB

200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB

200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB

200230170 (20021224) *GB 20035028 (20030305)

PAGES: 64 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: A61K-039/095A; A61K-039/102B; A61K-039/00B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; NZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
 YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
 ; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
 EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
 BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/15 (Item 15 from file: 399)

DI ALCOG R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

140180124 CA: 140(12)180124j PATENT

Engineered meningococcal strains comprising LOS subunit or outer membrane
 vesicle with downregulated or deleted PorA, QpA and/or QpC for use as
 neisserial vaccines

INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane;
 Goraj, Carine; Poolman, Jan; Weynants, Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals SA

PATENT: PCT International ; WO 200414417 A2 DATE: 20040219

APPLICATI ON: WO 2003EP8568 (20030731) *GB 200218037 (20020802) *GB

200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB

200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB

200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB

200230170 (20021224) *GB 20035028 (20030305)

PAGES: 51 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: A61K-039/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; NZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
 YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
 ; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;

hsf and tp.txt

EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG
? e au=denoel, p?

Ref	Items	Index-term
E1	10	AU=DENOE, P.
E2	12	AU=DENOE, P. A.
E3	0	*AU=DENOE, P?
E4	21	AU=DENOE, PA
E5	2	AU=DENOE, PH
E6	32	AU=DENOE, PHI LI PPE
E7	6	AU=DENOE, PHI LI PPE A
E8	11	AU=DENOE, PHI LI PPE A.
E9	6	AU=DENOE, S.
E10	14	AU=DENOE, V.
E11	5	AU=DENOE, VI NCENT
E12	14	AU=DENOE, X.

Enter P or PAGE for more

? s e1-e8

10	AU=DENOE, P.
12	AU=DENOE, P. A.
0	AU=DENOE, P?
21	AU=DENOE, PA
2	AU=DENOE, PH
32	AU=DENOE, PHI LI PPE
6	AU=DENOE, PHI LI PPE A
11	AU=DENOE, PHI LI PPE A.

S7

? s s7 and Neisseria

94	S7
154615	NEI SSERI A
S8	22 S7 AND NEI SSERI A

? t s8/3, k/1-22

>>>KW C option is not available in file(s): 399

8/3, K/1 (Item 1 from file: 24)
DI ALCOG R) File 24: CSA Life Sciences Abstracts
(c) 2009 CSA. All rts. reserv.

0003160890 I P ACCESSI ON NO: 7931981

Additive and Synergistic Bactericidal Activity of Antibodies Directed
against Minor Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine
P; Denoel, Philippe A; Verlant, Vincent G; Tomassen, Jan; Peak,
Ian RA; Judd, Ralph C; Jennings, Michael P; Poolman, Jan T
Glasgow SmithKline Biologicals, B-1330 Rixensart, Belgium Department of
Molecular Microbiology, Utrecht University, 3584-CH Utrecht, The
Netherlands. Institute for Glycomics, Griffith University, Southport QLD
4215, Australia. Division of Biological Sciences, University of Montana,
Missoula, Montana 59812. School of Molecular & Microbial Sciences,
University of Queensland, Brisbane QLD 4072, Australia

Infection and Immunity, v 75, n 11, p 5434-5442, November 2007
PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1752 N Street N.W
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0019-9567

ELECTRONIC ISSN: 1098-5522

FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Additive and Synergistic Bactericidal Activity of Antibodies Directed against Major Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tormassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael...

ABSTRACT:

Neisseria meningitidis serogroup B is a major cause of bacterial meningitis in younger populations. The available...

...DESCRIPTORS: Antibodies; Bactericidal activity; Children; Complement; Cross-protection; Membrane vesicles; Meningitis; Micro; Vaccines; outer membrane proteins; *Neisseria meningitidis*

8/3, K/2 (Item 2 from file: 24)

DIALOG(R) File 24: CSA Life Sciences Abstracts

(c) 2009 CSA. All rights reserved.

0002425163 I.P. ACCESSION NO: 5472483

Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques: *Moraxella*, *Neisseria*, *Haemophilus*, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y; Philipp, M*
Department of Bacteriology and Parasitology, Tulane National Primate Research Center, 18703 Three Rivers Rd., Covington, LA 70433,
[mailto:philipp@pc.tulane.edu]

Journal of Clinical Microbiology, v 40, n 11, p 4340-4342, November 2002

PUBLICATION DATE: 2002

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0095-1137

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques: *Moraxella*, *Neisseria*, *Haemophilus*, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y; Philipp, M*

ABSTRACT:

The nasopharyngeal bacterial flora of healthy rhesus macaques was surveyed for the presence of *Neisseria* and *Haemophilus* species, as well as *Moraxella catarrhalis*. *M. catarrhalis* was found both in healthy...

...have been thwarted by the growth of less fastidious species. A number of animals harbored *Neisseria* spp. such as *N. sicca*. However, *Neisseria meningitidis* was not found. In summary, it appears as though the rhesus macaque may be...

hsfandtbp.txt

...infections. Moreover, in view of the susceptibility of macaques to organisms of the *Haemophilus* and *Neisseria* genera, it is possible that these animals may also accurately model nontypeable *H. influenzae* and ...

DESCRIPTORS: Animal models; Infection; Nasopharynx; Macaca mulatta; *Moraxella catarrhalis*; *Neisseria sicca*; *Haemophilus*; *Neisseria meningitidis*

8/3, K/3 (Item 1 from file: 76)
DIALOG(R) File 76: Environmental Sciences
(c) 2009 CSA. All rights reserved.

0002040344 I.P. ACCESSION NO: 7931981
Additive and Synergistic Bactericidal Activity of Antibodies Directed against Minor Outer Membrane Proteins of *Neisseria meningitidis*

Véynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael P; Poolman, Jan T
GlaxoSmithKline Biologicals, B-1330 Rixensart, Belgium
Department of Molecular Microbiology, Utrecht University, 3584-CH Utrecht, The Netherlands
Institute for Glycomics, Griffith University, Southport QLD 4215, Australia
Division of Biological Sciences, University of Montana, Missoula, Montana 59812
School of Molecular & Microbial Sciences, University of Queensland, Brisbane QLD 4072, Australia

Infection and Immunity, v 75, n 11, p 5434-5442, November 2007
PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English
ISSN: 0019-9567
ELECTRONIC ISSN: 1098-5522
FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Additive and Synergistic Bactericidal Activity of Antibodies Directed against Minor Outer Membrane Proteins of *Neisseria meningitidis*

Véynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael...

ABSTRACT:
Neisseria meningitidis serogroup B is a major cause of bacterial meningitis in younger populations. The available...

...DESCRIPTORS: Antibodies; Bactericidal activity; Children; Complement; Cross-protection; Membrane vesicles; Meningitis; Mimicry; Vaccines; outer membrane proteins; *Neisseria meningitidis*

8/3, K/4 (Item 2 from file: 76)
DIALOG(R) File 76: Environmental Sciences
(c) 2009 CSA. All rights reserved.

hsfandt bp.txt

0001628353

IP ACCESSION NO: 5472483

Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques:
Moraxella, Neisseria, Haemophilus, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y;
Philipp, M*
Department of Bacteriology and Parasitology, Tulane National Primate
Research Center, 18703 Three Rivers Rd., Covington, LA 70433,
[mailto:philipp@pc.tulane.edu]

Journal of Clinical Microbiology, v 40, n 11, p 4340-4342, November 2002
PUBLICATION DATE: 2002

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0095-1137

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques:
Moraxella, Neisseria, Haemophilus, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y;
Philipp, M*

ABSTRACT:

The nasopharyngeal bacterial flora of healthy rhesus macaques was surveyed for the presence of Neisseria and Haemophilus species, as well as Moraxella catarrhalis. M. catarrhalis was found both in healthy...

...have been thwarted by the growth of less fastidious species. A number of animals harbored Neisseria spp. such as N. sicca. However, Neisseria meningitidis was not found. In summary, it appears as though the rhesus macaque may be...

...infections. Moreover, in view of the susceptibility of macaques to organisms of the Haemophilus and Neisseria genera, it is possible that these animals may also accurately model nontypeable H. influenzae and ...

DESCRIPTORS: Animal models; Infection; Nasopharynx; Macaca mulatta;
Moraxella catarrhalis; Neisseria sicca; Haemophilus;
Neisseria meningitidis

8/3/K/5 (Item 1 from file: 399)

DI ALCO/R File 399: CA SEARCH/R

(c) 2009 American Chemical Society. All rights reserved.

150534080 CA: 150(25)534080z JOURNAL
Genetically modified L3,7 and L2 lipooligosaccharides from Neisseria
meningitidis serogroup B confer a broad cross-bactericidal response
AUTHOR(S): Veynants, V.; Denoel, P.; Devos, N.; Janssens, D.; Feron, C.;
Goraj, K.; Minin, P.; Monnom, D.; Tans, C.; Vandercammen, A.; Wauters, F.;
Poolman, Jan T.

LOCATION: GaxoSmithKline Biologicals, B 1330, Rixensart, Belg.
JOURNAL: Infect. Immun. (Infection and Immunity) DATE: 2009 VOLUME: 77
NUMBER: 5 PAGES: 2084-2093 CODEN: INFI BR ISSN: 0019-9567 LANGUAGE:
English PUBLISHER: American Society for Microbiology

hsf andt bp. txt

8/3, K/6 (Item 2 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rts. reserv.

147484764 CA: 147(23)484764r JOURNAL

Additive and synergistic bactericidal activity of antibodies directed against minor outer membrane proteins of *Neisseria meningitidis*

AUTHOR(S): Veynants, Vincent E.; Feron, Christiane M.; Gbaj, Karine K.; Bos, Martine P.; Denoel, Philippe A.; Verlant, Vincent G.; Tommassen, Jan; Peak, Ian R. A.; Judd, Ralph C.; Jennings, Michael P.; Poolman, Jan T.

LOCATI ON: GaxoSmithKline Biologicals, B-1330, Rixensart, Belg.

JOURNAL: Infect. Immun. (Infection and Immunity) DATE: 2007 VOLUME: 75

NUMBER: 11 PAGES: 5434-5442 CODEN: INFI BR ISSN: 0019-9567 LANGUAGE:

English PUBLISHER: American Society for Microbiology

8/3, K/7 (Item 3 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rts. reserv.

146099125 CA: 146(6)99125n PATENT

Combination vaccine comprising a *Haemophilus influenzae* type b saccharide conjugate and addnl. bacterial saccharide conjugates

INVENTOR(AUTHOR): Biernans, Ralph Leon; Boutriau, Dominique; Capi au, Carine; Denoel, Philippe; Duvi vier, Pierre; Poolman, Jan

LOCATI ON: Belg.

ASSIGNEE: GaxoSmithKline Biologicals S.A.

PATENT: PCT International; WO 200700322 A1 DATE: 20070104

APPLICATI ON: WO 2006EP6210 (20060623) *GB 200513069 (20050627) *GB

200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB

200526040 (20051221) *GB 200526041 (20051221)

PAGES: 52pp. CODEN: PIXD2 LANGUAGE: English

PATENT CLASSIFICATI ONS:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K 0039/095 A I F B 20060101 H EP

A61K 0039/102 A I L B 20060101 H EP

A61K 0039/116 A I L B 20060101 H EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LI; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MY; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIG NATED REG ONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/8 (Item 4 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rts. reserv.

146099123 CA: 146(6)99123k PATENT

Immunogenic composition containing *Neisseria meningitidis* capsular saccharides

INVENTOR(AUTHOR): Biernans, Ralph Leon; Boutriau, Dominique; Capi au, Carine; Denoel, Philippe; Duvi vier, Pierre; Poolman, Jan

LOCATI ON: Belg.

ASSIGNEE: GaxoSmithKline Biologicals S.A.

PATENT: PCT International; WO 200700341 A2 DATE: 20070104

APPLICATI ON: WO 2006EP6268 (20060623) *GB 200513069 (20050627) *GB

200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB

hsfandtbp.txt
200526041 (20051221) *GB 200526040 (20051221)

PAGES: 66pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K 0039/095 A I F B 20060101 H EP

A61K 0039/102 A I L B 20060101 H EP

A61K 0039/116 A I L B 20060101 H EP

DESIGNATED COUNTRIES: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, DESIGNATED REGIONAL: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

8/3,K/9 (Item 5 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rts. reserv.

146099122 CA: 146(6)99122j PATENT

Neisseria meningitidis capsular polysaccharide vaccine conjugate

INVENTOR(AUTHOR): Biernans, Ralph Leon; Boutriaux, Dominique; Capiu, Carine; Denoel, Philippe; Duvivier, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S.A.

PATENT: PCT International; WO 200700314 A2 DATE: 20070104

APPLICATION: WO 2006EP6188 (20060623) *GB 200513071 (20050627) *GB

200513069 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB

200526040 (20051221) *GB 200526041 (20051221)

PAGES: 46pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K 0039/095 A I F B 20060101 H EP

A61K 0039/102 A I L B 20060101 H EP

A61K 0039/116 A I L B 20060101 H EP

A61P 0031/04 A I L B 20060101 H EP

DESIGNATED COUNTRIES: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, DESIGNATED REGIONAL: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

8/3,K/10 (Item 6 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rts. reserv.

146099120 CA: 146(6)99120g PATENT

Immunogenic composition containing Neisseria meningitidis capsular polysaccharides

INVENTOR(AUTHOR): Biernans, Ralph Leon; Boutriaux, Dominique; Capiu, Carine; Denoel, Philippe; Duvivier, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S.A.

hsfandt bp.txt

PATENT: PCT International ; WO 200700342 A2 DATE: 20070104
APPLI CATI ON: WO 2006EP6269 (20060623) *GB 200513069 (20050627) *GB
200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB
200526040 (20051221) *GB 200526041 (20051221)
PAGES: 64pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

IPC/ 8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K 0039/ 095	A	I	F	B	20060101	H	EP
A61K 0039/ 102	A	I	L	B	20060101	H	EP
A61K 0039/ 116	A	I	L	B	20060101	H	EP
A61P 0031/ 04	A	I	L	B	20060101	H	EP

DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;
LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;
NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;
TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESI GNATED REGI ONAL: AT; BE; BG; OH
; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN; GG; GW; ML;
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/ 11 (Item 7 from file: 399)
DI ALCOG R) File 399: CA SEARCH(R)
(c) 2009 American Chemical Society. All rts. reserv.

146099118 CA: 146(6)99118n PATENT
Combination vaccines comprising Haemophilus influenzae type b saccharide
conjugate, an addnl. bacterial saccharide conjugate, and further antigens
INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Dominique; Capi au,
Carine; Denoel, Philippe; Duvi vier, Pierre; Pool man, Jan
LOCATI ON: Belg.

ASSI GNEE: Gaxosmithkline Biological s S.A.
PATENT: PCT International ; WO 200700327 A1 DATE: 20070104
APPLI CATI ON: WO 2006EP6220 (20060623) *GB 200513069 (20050627) *GB
200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB
200526041 (20051221) *GB 200526040 (20051221)
PAGES: 49pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

IPC/ 8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K 0039/ 095	A	I	F	B	20060101	H	EP
A61K 0039/ 102	A	I	L	B	20060101	H	EP
A61K 0039/ 116	A	I	L	B	20060101	H	EP

DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;
LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;
NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;
TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESI GNATED REGI ONAL: AT; BE; BG; OH
; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; OM; GA; GN; GG; GW; ML;
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;
ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/ 12 (Item 8 from file: 399)
DI ALCOG R) File 399: CA SEARCH(R)
(c) 2009 American Chemical Society. All rts. reserv.

142387960 CA: 142(21)387960r PATENT
Protein and nucleotide sequences of Bordetella protein BASB232 and its
therapeutic use

hsf and tp.txt

INVENTOR(AUTHOR): Castado, G ndy; Denoel, Philippe; Godfroid, Fabrice;

Poolman, Jan

LOCATI ON: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S. A.

PATENT: PCT International ; WO 200532584 A2 DATE: 20050414

APPLI CATI ON: WO 2004EP11082 (20041001) *GB 200323113 (20031002) *GB

200323112 (20031002)

PAGES: 172 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/10A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ;
; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;
BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;
PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR;
NE; SN; TD; TG

8/3, K/13 (Item 9 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rts. reserv.

140259048 CA: 140(16)259048w PATENT

Neisseria outer membrane FrpB proteins containing loop-deletions for
improved refolding and vaccine use

INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane;

Goraj, Karine; Kortekaas, Jeroen; Poolman, Jan; Tomassen, Jan; Veynants,
Vincent

LOCATI ON: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S. A.; Utrecht University;
Technology Foundation (Stichting Voor de Technische Wetenschappen)

PATENT: PCT International ; WO 200420463 A2 DATE: 20040311

APPLI CATI ON: WO 2003EP9634 (20030828) *GB 200220199 (20020830)

PAGES: 104 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: C07K-014/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE;
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/14 (Item 10 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rts. reserv.

140249770 CA: 140(16)249770m PATENT

Refolding of recombinantly produced NspA protein from Neisseria using the
detergent SB-12 in an alkaline refolding buffer and use of NspA in the
treatment, prevention and diagnosis of Neisserial infections

INVENTOR(AUTHOR): Biemans, Ralph; Bos, Martine; Denoel, Philippe; Feron,
Christiane; Goraj, Karine; Poolman, Jan; Tomassen, Jan; Veynants, Vincent

LOCATI ON: Belg.

ASSIGNEE: Gaxosmithkline Biologicals S. A.; Utrecht University

hsfandt bp.txt

PATENT: PCT International ; WO 200420452 A2 DATE: 20040311

APPLI CATI ON: WO 2003EP10085 (20030828) *GB 200220197 (20020830)

PAGES: 62 pp. CODEN: P1XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: C07K 000/ A

DESIGNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; NZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/15 (Item 11 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

140198071 CA: 140(13)198071z PATENT

Meningococcal genetically engineered vaccine composition which has a
fixed or locked lipooligosaccharide (LOS) immunotype

INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane;

Goraj, Karine; Jennings, Michael Paul; Poolman, Jan; Weynants, Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals Sa; The University of Queensland

PATENT: PCT International ; WO 200415099 A2 DATE: 20040219

APPLI CATI ON: WO 2003EP8569 (20030731) *GB 200218037 (20020802) *GB

200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB

200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB

200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB

200230170 (20021224) *GB 20035028 (20030305)

PAGES: 42 pp. CODEN: P1XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: C12N 015/ 00A

DESIGNATED COUNTRY ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; NZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/16 (Item 12 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

140198065 CA: 140(13)198065a PATENT

Vaccine compositions comprising Neisserial adhesin, autotransporter,
toxin, iron acquisition protein and membrane-associated protein against
Neisserial infection

INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Biemans, Ralph;

Denoel, Philippe; Feron, Christiane; Goraj, Karine; Poolman, Jan; Weynants,

Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414418 A2 DATE: 20040219

APPLI CATI ON: WO 2003EP8571 (20030731) *GB 200218037 (20020802) *GB

200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB

hsfandtp.txt

200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
200230170 (20021224) *GB 20035028 (20030305)

PAGES: 113 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: A61K-039/02A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3,K/17 (Item 13 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rights reserved.

140180125 CA: 140(12)180125K PATENT

Vaccine composition comprising transferrin binding protein and Hsf
against *Neisseria meningitidis*, *Neisseria gonorrhoeae*, *Moraxella*
catarrhalis and *Haemophilus influenzae*

INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Biemans, Ralph;
Denoel, Philippe; Feron, Christiane; Goraj, Carine; Poolman, Jan; Veynants,
Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414419 A1 DATE: 20040219

APPLICATION: WO 2003EP8567 (20030731) *GB 200218037 (20020802) *GB

200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB

200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB

200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB

200230170 (20021224) *GB 20035028 (20030305)

PAGES: 64 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: A61K-039/095A; A61K-039/102B; A61K-039/00B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3,K/18 (Item 14 from file: 399)

DI ALCO (R) File 399: CA SEARCH (R)

(c) 2009 American Chemical Society. All rights reserved.

140180124 CA: 140(12)180124J PATENT

Engineered meningococcal strains comprising LOS subunit or outer membrane
vesicle with downregulated or deleted PorA, Opa and/or Opc for use as
neisserial vaccines

INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane;
Goraj, Carine; Poolman, Jan; Veynants, Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals SA

PATENT: PCT International ; WO 200414417 A2 DATE: 20040219

Page 21

hsfandtbp.txt

APPLI CATI ON: WO 2003EP8568 (20030731) *GB 200218037 (20020802) *GB
200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
200230170 (20021224) *GB 20035028 (20030305)

PAGES: 51 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; NZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE;
LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/19 (Item 15 from file: 399)

DI ALCG R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

137184447 CA: 137(13)184447c PATENT

Vaccine composition comprising hyperblebbing Gram-neg. bacteria which
have down-regulated tol genes and mutated peptidoglycan-binding proteins
INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Denoel, Philippe;

Neyt, Cecile Anne; Poolman, Jan; Thonnard, Joelle

LOCATI ON: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200262378 A2 DATE: 20020815

APPLI CATI ON: WO 2002EP1361 (20020208) *GB 20013171 (20010208)

PAGES: 71 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; NZ; NI; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;
SG; SI; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW
AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW;
MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG

8/3, K/20 (Item 16 from file: 399)

DI ALCG R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

137138812 CA: 137(10)138812v CONFERENCE PROCEEDING

Outer membrane vesicles and other options for a meningococcal B vaccine
AUTHOR(S): Poolman, J. T.; Feron, C.; Dequesne, G.; Denoel, P. A.;
Dessoy, S.; Goraj, K. K.; Janssens, D. E.; Kummert, S.; Lobet, Y.; Mertens,
E.; Minnion, D. Y.; Minnion, P.; Pepin, N.; Ruelle, J.-L.; Thonnard, J. J.;
Verlant, V. G.; Voet, P.; Berthet, F. X.

LOCATI ON: UK

JOURNAL: Emerging Strategies Fight Meningitis (Emerging Strategies in the
Fight against Meningitis) EDITOR: Ferreiros, Carlos (Ed), Criado, Maria
Teresa (Ed), Vazquez, Julio (Ed) DATE: 2002 PAGES: 135-149 CODEN:
69CKED LANGUAGE: English PUBLISHER: Horizon Scientific Press, Wymondham
UK ISBN: 1-898486-34-4

8/3, K/21 (Item 17 fromfile: 399)

DI ALCOG R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

136166052 CA: 136(11) 166052v PATENT

Vaccine composition

INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Dalernans, Wilfried;
 Denoel, Philippe; Dequesne, Guy; Feron, Christiane; Garcon, Nathalie;
 Lobet, Yves; Poolman, Jan; Thiry, Georges; Thonnard, Joelle; Voet, Pierre

LOCATION: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200209746 A2 DATE: 20020207

APPLICATION: WO 2001EP8857 (20010731) *EP 2000956369 (20000731) *GB

20013170 (20010208)

PAGES: 125 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: A61K-039/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI;
 SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG;
 KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ;
 TZ; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC;
 NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD;
 TG

8/3, K/22 (Item 18 fromfile: 399)

DI ALCOG R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rts. reserv.

134146387 CA: 134(11) 146387p PATENT

Immuno-protective and non-toxic Gram-neg. bleb vaccine suitable for pediatric use

INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Dalernans, Wilfried L.
 J.; Denoel, Philippe; Dequesne, Guy; Feron, Christiane; Lobet, Yves;
 Poolman, Jan; Thiry, Georges; Thonnard, Joelle; Voet, Pierre

LOCATION: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200109350 A2 DATE: 20010208

APPLICATION: WO 2000EP7424 (20000731) *GB 9918319 (19990803)

PAGES: 128 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: C12N-015/74A; A61K-039/02B; C12N-015/31B; C12N-015/67B;

A61K-039/095B; A61K-039/116B; A61K-039/118B; A61K-039/09B; A61K-039/104B;

A61K-039/102B; A61K-039/295B; C07K-014/195B; C12N-001/21B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR;
 HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA;
 MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL;
 TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD;
 RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG;
 ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;
 SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG
 ? e au=gorah, car?

Ref	Items	Index-term
E1	1	AU=GORAQUER, M.A.
E2	5	AU=GORAQUER, MA
E3	0	*AU=GORAH, CAR?
E4	1	AU=GORAH, YU. T.

```

E5      14  AU=GORA HARPER M.
E6      1  AU=GORAHL ROGERS, FREDERICK
E7      17  AU=GORAI A K
E8      4   AU=GORAI A P
E9      3   AU=GORAI A. K.
E10     1   AU=GORAI A. P.
E11     3   AU=GORAI AK
E12     1   AU=GORAI AM

```

Enter P or PAGE for more

? e au=gorah, carine?

```

Ref      Items  Index-term
E1        1  AU=GORAGUER, M A.
E2        5  AU=GORAGUER, MA
E3        0  *AU=GORAH, CARI NE?
E4        1  AU=GORAH, YU. T.
E5       14  AU=GORA HARPER M.
E6        1  AU=GORAHL ROGERS, FREDERICK
E7       17  AU=GORAI A K
E8        4  AU=GORAI A P
E9        3  AU=GORAI A. K.
E10       1  AU=GORAI A. P.
E11       3  AU=GORAI AK
E12       1  AU=GORAI AM

```

Enter P or PAGE for more

? e au=poolman, jan?

```

Ref      Items  Index-term
E1        1  AU=POOLMAN, JAN TEUNIS
E2        5  AU=POOLMAN, JAN THEUNIS
E3        0  *AU=POOLMAN, JAN?
E4       161  AU=POOLMAN, JT
E5        1  AU=POOLMAN, K. H.
E6        1  AU=POOLMAN, KENNETH
E7        1  AU=POOLMAN, LESLIE JOHN
E8        1  AU=POOLMAN, M
E9        3  AU=POOLMAN, M
E10       1  AU=POOLMAN, M G
E11       10 AU=POOLMAN, M G
E12       6  AU=POOLMAN, M G

```

Enter P or PAGE for more

```

? s e1-e3
          1  AU=POOLMAN, JAN TEUNIS
          5  AU=POOLMAN, JAN THEUNIS
          0  AU=POOLMAN, JAN?
S9        6  E1-E3

```

```

? s s9 and Neisseria
          6  S9
          154615 NEISSERIA
S10       2  S9 AND NEISSERIA

```

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S11 2 RD (unique items)

? t s1/3, k/1-2

>>>KWC option is not available in file(s): 399

hsf and t bp. txt

1/3, K/1 (Item 1 from file: 98)
DI ALCOG(R) File 98: General Sci Abs
(c) 2009 The HW Wilson Co. All rts. reserv.

5951515 H.W. WILSON RECORD NUMBER: BGSA98055548
Attenuation of virulence by disruption of the *Mycobacterium tuberculosis*
erp gene
Berthet, Francois-Xavier
Lagranderie, Mcheline; Gounon, Pierre
Science v. 282 no5389 (October 23 1998) p. 759-62
DOCUMENT TYPE: Feature Article
SPECIAL FEATURES: Bibliography Illustration ISSN: 0036-8075
LANGUAGE: English
COUNTRY OF PUBLICATION: United States

Berthet, Francois-Xavier

1/3, K/2 (Item 2 from file: 98)
DI ALCOG(R) File 98: General Sci Abs
(c) 2009 The HW Wilson Co. All rts. reserv.

04048580 H.W. WILSON RECORD NUMBER: BGSA99048580
Use of fluorescence induction and sucrose counterselection to identify
Mycobacterium tuberculosis genes expressed within host cells.
Triccas, James A
Berthet, Francois-Xavier; Pelicic, Vladimir
Microbiology (Microbiology) v. 145 pt10 (Oct. 1999) p. 2923-30
SPECIAL FEATURES: biblii ISSN: 1350-0872
LANGUAGE: English
COUNTRY OF PUBLICATION: United Kingdom

Berthet, Francois-Xavier; Pelicic, Vladimir
? e au=weynants, vincent?

Ref	Items	Index-term
E1	10	AU=WEYNANTS, VINCENT E
E2	7	AU=WEYNANTS, VINCENT E.
E3	0	*AU=WEYNANTS, VINCENT?
E4	4	AU=WEYNARD L. S.
E5	1	AU=WEYNBANNINGH L
E6	2	AU=WEYNBERG P. A
E7	1	AU=WEYNBERG P. A.
E8	1	AU=WEYNBERG P. A.
E9	2	AU=WEYNBERG P.
E10	2	AU=WEYNBERG P. A.
E11	2	AU=WEYNDLING C.
E12	1	AU=WEYNDLING W W

Enter P or PAGE for more

? s e1-e2
10 AU=WEYNANTS, VINCENT E
7 AU=WEYNANTS, VINCENT E.
S12 17 E1-E2
? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
S13 7 RD (unique items)

? s s13 and Neisseria
 7 S13
 154615 NEISSERIA
 S14 4 S13 AND NEISSERIA
 ? t s14/3, k/1-4
 >>>KW C option is not available in file(s): 399

14/3, K/1 (Item 1 from file: 24)
 DI ALCO R File 24: CSA Life Sciences Abstracts
 (c) 2009 CSA. All rts. reserv.

0003160890 I P ACCESSI ON NO: 7931981
 Additive and Synergistic Bactericidal Activity of Antibodies Directed
 against Minor Outer Membrane Proteins of Neisseria meningitidis

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos,
 Martine P; Denoel, Philippe A; Verlant, Vincent G; Tomassen, Jan;
 Peak, Ian RA; Judd, Ralph C; Jennings, Michael P; Poolman, Jan T
 GlaxoSmithKline Biologicals, B-1330 Rixensart, Belgium Department of
 Molecular Microbiology, Utrecht University, 3584-CH Utrecht, The
 Netherlands. Institute for Glycomics, Griffith University, Southport QLD
 4215, Australia. Division of Biological Sciences, University of Montana,
 Missoula, Montana 59812. School of Molecular & Microbial Sciences,
 University of Queensland, Brisbane QLD 4072, Australia

Infection and Immunity, v 75, n 11, p 5434-5442, November 2007
 PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1752 N Street N.W
 Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article
 RECORD TYPE: Abstract
 LANGUAGE: English
 SUMMARY LANGUAGE: English
 ISSN: 0019-9567
 ELECTRONIC ISSN: 1098-5522
 FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Additive and Synergistic Bactericidal Activity of Antibodies Directed
 against Minor Outer Membrane Proteins of Neisseria meningitidis

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos,
 Martine P; Denoel, Philippe A; Verlant...

ABSTRACT:

Neisseria meningitidis serogroup B is a major cause of bacterial
 meningitis in younger populations. The available...

... DESCRIPTORS: Antibodies; Bactericidal activity; Children; Complement;
 Cross-protection; Membrane vesicles; Meningitis; Microcy; Vaccines;
 outer membrane proteins; Neisseria meningitidis

14/3, K/2 (Item 2 from file: 24)
 DI ALCO R File 24: CSA Life Sciences Abstracts
 (c) 2009 CSA. All rts. reserv.

0002964326 I P ACCESSI ON NO: 7175484
 Shielding of immunogenic domains in Neisseria meningitidis FrpB
 (FetA) by the major variable region

hsfandtp.txt

Kortekaas, Jeroen; Pettersson, Annika; Van der Biezen, Jenny;
Veynants, Vincent E; Van der Ley, Peter; Poolman, Jan; Bos,
Martine P; Tomassen, Jan
Department of Molecular Microbiology and Institute of Biomembranes, Utrecht
University, Padualaan, 3584 CH Utrecht, The Netherlands,
[mailto:m.p.bos@io.uu.nl]

Vaccine, v 25, n 1, p 72-84, January 2007
PUBLICATION DATE: 2007

PUBLISHER: Elsevier Science Ltd., The Boulevard Langford Lane Kidlington
Oxford OX5 1GB UK, [mailto:userinfo-ef@elsevier.com],
[URL: http://www.elsevier.nl]

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English
ISSN: 0264-410X
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

Shielding of immunogenic domains in *Neisseria meningitidis* FrpB
(FetA) by the major variable region

Kortekaas, Jeroen; Pettersson, Annika; Van der Biezen, Jenny;
Veynants, Vincent E; Van der Ley, Peter; Poolman, Jan; Bos,
Martine P; Tomassen, Jan

... DESCRIPTORS: sequence; Epitope mapping; Immune response; Immunity;
immunization; Immunofluorescence; Microscopy; Vaccines; Variable
region; outer membrane proteins; *Neisseria meningitidis*

14/3, K/3 (Item 3 from file: 24)
DIALOG (R) File 24: CSA Life Sciences Abstracts
(c) 2009 CSA. All rights reserved.

0002950345 IP ACCESSION NO: 7047661
Immunogenicity and structural characterisation of an in vitro folded
meningococcal siderophore receptor (FrpB, FetA)

Kortekaas, Jeroen; Mueller, Shirley A; Ringler, Philippe; Gregorini,
Marco; Veynants, Vincent E; Rutten, Lucy; Bos, Martine P;
Tomassen, Jan
Department of Molecular Microbiology, Institute of Biomembranes, Utrecht
University, Padualaan 8, 3584 CH Utrecht, The Netherlands,
[mailto:m.p.bos@io.uu.nl]

Microbes and Infection, v 8, n 8, p 2145-2153, July 2006
PUBLICATION DATE: 2006

PUBLISHER: Editions Scientifiques et Médicales Elsevier, 23 rue Lincoln
75724 Paris cedex 15 France, [URL: http://www.elsevier.fr]

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English
ISSN: 1286-4579
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

Kortekaas, Jeroen; Mueller, Shirley A; Ringler, Philippe; Gregorini,
Page 27

hsfandtp.txt

Marco; Weynants, Vincent E; Rutten, Lucy; Bos, Martine P;
Tomassen, Jan

ABSTRACT:

The iron-limitation-inducible protein FrpB of *Neisseria meningitidis* is an outer-membrane-localized siderophore receptor. Because of its abundance and its capacity...

... DESCRIPTORS: protein; Immunogenicity; Inclusion bodies; Laboratory animals; Protein folding; Protein structure; Vaccines; siderophore receptors; *Escherichia coli*; *Neisseria meningitidis*

14/3, K/4 (Item 4 from file: 24)
DI ALCOR File 24: CSA Life Sciences Abstracts
(c) 2009 CSA. All rights reserved.

0002816358 I P ACCESSION NO: 6737828
Vaccine potential of the *Neisseria meningitidis* lactoferrin-binding proteins LbpA and LbpB

Pettersson, Annika; Kortekaas, Jeroen; Weynants, Vincent E; Voet, Pierre; Poolman, Jan T; Bos, Martine P; Tomassen, Jan
Department of Molecular Microbiology, Institute of Biomechanics, Utrecht University, Padualaan 8, 3584 CH Utrecht, The Netherlands,
[mailto:m.p.bos@io.uu.nl]

Vaccine, v 24, n 17, p 3545-3557, 2006
PUBLICATION DATE: 2006

PUBLISHER: Butterworth-Heinemann, 313 Washington St. Newton MA 02158 USA

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English
ISSN: 0264-410X
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts
Vaccine potential of the *Neisseria meningitidis* lactoferrin-binding proteins LbpA and LbpB

Pettersson, Annika; Kortekaas, Jeroen; Weynants, Vincent E; Voet, Pierre; Poolman, Jan T; Bos, Martine P; Tomassen, Jan

ABSTRACT:

The vaccine potential of the *Neisseria meningitidis* lactoferrin-binding proteins LbpA and LbpB was evaluated. Sequencing and sequence alignments suggested that...

... DESCRIPTORS: Outer membranes; Antisera; LbpA protein; Nucleotide sequence; Monoclonal antibodies; Bactericidal activity; Western blotting; LbpB protein; *Neisseria meningitidis*; *Escherichia coli*; ?s *Neisseria* and ((Hsf or autotransport?) and (transferin(w)bind? or Tbp))

Processing
Processed 20 of 56 files ...
Completed processing all files
154615 NEISSERIA
11088 HSF
4145 AUTOTRANSPORT?
812 TRANSFERIN
8485094 BIND?

hsf and t bp. txt

8 TRANSFERRIN (TBP) BINDING
44024 TBP
S15 1 NEISSERIA AND ((HSF OR AUTOTRANSFERRIN) AND
(TRANSFERRIN (TBP) BINDING OR TBP))

?

? t s15/3, k/1

>>>KWC option is not available in file(s): 399

15/3, K/1 (Item 1 from file: 357)

DIALOG(R) File 357: Derwent Biotech Res.

(c) 2009 Thomson Reuters. All rights reserved.

0337155 DBR Accession No.: 2004-09447 PATENT

New immunogenic composition comprising transferrin binding protein and Hsf like protein, useful for treating or preventing disease caused by Neisseria meningitidis or N. gonorrhoeae, Moraxella catarrhalis or Haemophilus influenzae - immunogenic composition for use in bacterium infection therapy and vaccine

AUTHOR: BERTHET F J; BIEMANS R; DENCEL P; FERON C; GORAJ C; POOLMAN J; WEYNANTS V

PATENT ASSIGNEE: GLAXOSMITHKLINE BIOLOGICALS SA 2004

PATENT NUMBER: WO 200414419 PATENT DATE: 20040219 WPI ACCESSION NO.:

2004-169460 (200416)

PRIORITY APPLICATION NO.: GB 20035028 APPLICATION DATE: 20030305

NATIONAL APPLICATION NO.: WO 2003EP8567 APPLICATION DATE: 20030731

LANGUAGE: English

New immunogenic composition comprising transferrin binding protein and Hsf like protein, useful for treating or preventing disease caused by Neisseria meningitidis or N. gonorrhoeae, Moraxella catarrhalis or Haemophilus influenzae - immunogenic composition for use in bacterium

ABSTRACT: DERWENT: ABSTRACT: NOVELTY - A new immunogenic composition comprises an isolated transferrin binding protein (Tbp) or its antigenic fragment and an isolated Hsf like protein or its antigenic fragment from the same or different Gram negative bacteria. DETAILED DESCRIPTION...

...or preventing Neisserial infection; and (7) a pharmaceutical preparation comprising monoclonal antibodies against TbpA and Hsf of Neisseria meningitidis and an excipient. BIOTECHNOLOGY - Preferred Composition: The immunogenic composition comprises high molecular weight form...

... molecular weight form TbpA and low molecular weight form TbpA. It comprises antigenic fragments of Tbp and/or Hsf like protein capable of generating a protective response against Neisseria meningitidis serogroup B, Neisseria gonorrhoeae, Moraxella catarrhalis or Haemophilus influenzae infection. It comprises antigenic fragments of TbpA and/or Hsf. It comprises a fusion protein of Tbp and Hsf like protein or TbpA and Hsf capable of generating a protective response against Neisserial infection. The Hsf like protein or transferrin binding protein is derived from Neisseria meningitidis serogroup B, Neisseria gonorrhoeae, Moraxella catarrhalis or Haemophilus influenzae. The transferrin binding protein is TbpA. The immunogenic composition...

... preparation derived from Gram negative bacteria, in which expression of both transferrin binding protein and Hsf like protein are at least 1.5 fold higher than naturally occurring in the unmodified...

... limitation conditions. At least a part of the outer membrane vesicle preparation is derived from Neisseria meningitidis serogroup B,

hsf and tbp.txt

Neisseria gonorrhoeae, *Moraxella catarrhalis* or *Haemophilus influenzae*. The transferrin binding protein and Hsf like protein are upregulated on different vesicles originating from different bacterial strains or on the...

... as to introduce a stronger promoter sequence upstream of genes encoding transferrin binding protein and Hsf like protein. A host cell from which the outer membrane vesicle preparation is derived has...

... comprises two or more bacterial capsular polysaccharides or oligosaccharides conjugated to transferrin binding protein or Hsf like proteins or both. The capsular polysaccharide or oligosaccharide is derived from *Neisseria meningitidis* serogroup B,

Neisseria gonorrhoeae, *Moraxella catarrhalis* or *Haemophilus influenzae*. The immunogenic composition also comprises one or more polynucleotides encoding a transferrin binding protein and a Hsf like protein whose expression is driven by a eukaryotic promoter. It further comprises an adjuvant containing CpG. It also comprises aluminium salts or 3D-MPL. The TbpA and Hsf of *Neisseria meningitidis* are encoded. Preferred Method: Treating or preventing Gram-negative bacterial disease comprises administering the...

... treated. Making the immunogenic composition comprises: (1) mixing together isolated transferrin binding protein and isolated Hsf like protein; (2) isolating outer membrane vesicles from a Gram-negative bacterial culture, which involves...

... DCC; and (3) conjugating bacterial capsular polysaccharides or oligosaccharides to transferrin binding protein and/or Hsf like protein. Making the vaccine comprises combining the immunogenic composition with an excipient. Preparing an...

... ACTION - Vaccine. USE - The immunogenic composition is useful for treating or preventing infection caused by *Neisseria meningitidis* serogroup B, *Neisseria gonorrhoeae*, *Moraxella catarrhalis* or *Haemophilus influenzae* (claimed). ADMINISTRATION - The composition is administered via oral or...

DESCRIPTION: immunogenic composition, transferrin binding protein isol., Hsf-like protein, fusion protein, genetically engineered bacterium outer membrane vesicle, monoclonal antibody, appl. *Neisseria meningitidis*, *Neisseria gonorrhoeae*, *Moraxella catarrhalis*, *Haemophilus influenzae* infection therapy, recombinant vaccine protein bacterium (23, 19)

? ds

Set	Items	Description
S1	42	E4-E9
S2	26	FD (unique items)
S3	5	S2 AND NEISSERIA
S4	73	E1-E4
S5	16	S4 AND NEISSERIA
S6	15	FD (unique items)
S7	94	E1-E8
S8	22	S7 AND NEISSERIA
S9	6	E1-E3
S10	2	S9 AND NEISSERIA
S11	2	FD (unique items)
S12	17	E1-E2
S13	7	FD (unique items)
S14	4	S13 AND NEISSERIA
S15	1	NEISSERIA AND ((HSF OR AUTOTRANSPORT?) AND (TRANSFERIN W/ B-IND? OR TBP))